



Solution Centers

Products

Where To Buy

Community

Education

Support

Services

About Us

[Home](#) | [Products](#) | [Digital Multimeters](#) |

You will be directed to the specific manual for the product seen on this page.

Fluke 116/323 HVAC Combo Kit - Includes Multimeter and Clamp Meter

Register products



Download manuals



Related Products



[Fluke 116 HVAC Multimeter with Temperature and Microamps »](#)



[Fluke 323 True-rms Clamp Meter »](#)

Overview

Features

Specifications

Models and Accessories

More Info

Fluke 116 HVAC Multimeter with Temperature and Microamps

Specifications		
Maximum voltage between any terminal and earth ground		600 V
Surge protection		6 kV peak per IEC 61010-1 600 V CAT III, Pollution Degree 2
Display		6,000 counts, updates 4 per second
Bar graph		33 segments, updates 32 per second
Operating Temperature		-10 °C to + 50 °C
Storage Temperature		-40 °C to + 60 °C
Battery type		9 volt Alkaline, NEDA 1604A/ IEC 6LR61
Battery Life		400 hours typical, without backlight
Accuracy Specifications		
DC millivolts	Range	600.0 mV
	Resolution	0.1 mV
	Accuracy	± ([% of reading] + [counts]): 0.5% + 2
DC volts	Range/Resolution	6.000 V / 0.001 V

	Range/Resolution	60.00 V / 0.01 V
	Range/Resolution	600.00 V / 0.1 V
	Accuracy	± ([% of reading] + [counts]): 0.5% + 2
Auto volts	Range	600.0 V
	Resolution	0.1 V
	Accuracy	2.0 % + 3 (dc, 45 Hz to 500 Hz) 4.0 % + 3 (500 Hz to 1 kHz)
AC millivolts ¹ true-rms	Range	600.0 mV
	Resolution	0.1 mV
	Accuracy	1.0 % + 3 (dc, 45 Hz to 500 Hz) 2.0 % + 3 (500 Hz to 1 kHz)
AC volts ¹ true-rms	Range/Resolution	6.000 V / 0.001 V
	Range/Resolution	60.00 V / 0.01 V
	Range/Resolution	600.0 V / 0.1 V
	Accuracy	1.0 % + 3 (dc, 45 Hz to 500 Hz) 2.0 % + 3 (500 Hz to 1 kHz)
Continuity	Range	600 Ω
	Resolution	1 Ω
	Accuracy	Beeper on < 20 Ω, off > 250 Ω; detects opens or shorts of 500 μs or longer.
Ohms	Range/Resolution	600.0 Ω / 0.1 Ω
	Range/Resolution	6.000 kΩ / 0.001 kΩ
	Range/Resolution	60.00 kΩ / 0.01 kΩ
	Range/Resolution	600.0 kΩ / 0.1 kΩ
	Range/Resolution	6.000 MΩ / 0.001 MΩ
	Accuracy	0.9 % + 1
	Range/Resolution	40.00 MΩ / 0.01 MΩ
	Accuracy	1.5 % + 2
Diode Test	Range/Resolution	2.000 V / 0.001 V
	Accuracy	0.9% + 2
Capacitance	Range/Resolution	1000 nF / 1 nF
	Range/Resolution	10.00 μF / 0.01 μF
	Range/Resolution	100.0 μF / 0.1 μF
	Range/Resolution	9999 μF / 1 μF
	Range/Resolution	100 μF to 1000 μF
	Accuracy	1.9% + 2
	Range/Resolution	> 1000 μF
	Accuracy	5% + 20%
LoZ capacitance	Range	1 nF to 500 μF
	Accuracy	10% + 2 typical
Temperature ² (Type-K thermocouple)	Range/Resolution	-40 °C to 400 °C / 0.1 °C
	Accuracy	1% + 10 ²
	Range/Resolution	-40 °F to 752 °F / 0.2 °F
	Accuracy	1% + 18 ²

AC μ amps true-rms (45 Hz to 500 Hz)	Range/Resolution	600.0 μ A / 0.1 μ A
	Accuracy	1.0% + 2
DC μ amps	Range/Resolution	600.0 μ A / 0.1 μ A
	Accuracy	1.0% + 2
Hz (V or A input) ²	Range/Resolution	99.99 Hz / 0.01 Hz
	Range/Resolution	999.99 Hz / 0.1 Hz
	Range/Resolution	9.999 Hz / 0.001 Hz
	Range/Resolution	50.00 Hz / 0.01 Hz
	Accuracy	0.1% + 2

Notes:
1) All ac voltage ranges except Auto-V/LoZ are specified from 1 % to 100 % of range. Auto-V/LoZ is specified from 0.0 V.
2) Temperature uncertainty (accuracy) does not include the error of the thermocouple probe.
3) Frequency is ac coupled, 5 Hz to 50 kHz for ac voltage. Frequency is dc coupled, 45 Hz to 5 kHz for ac current.
4) Temperature Range/Resolution: -40 °F to 752 °F / 0.2 °F

Mechanical & General Specifications	
Size	167 x 84 x 46 mm (6.57" x 3.31" x 1.82")
Weight	550 g
Warranty	3 years

Fluke 323 True-rms Clamp Meter

Specifications		
AC current	Range 400.0 A	
	Accuracy	2 % $\pm$ 5 digits (45 Hz to 65 Hz) 2.5 % $\pm$ 5 digits (65 Hz to 400 Hz)
AC voltage	Range	600.0 V
	Accuracy	1.5 % $\pm$ 5 digits
DC voltage	Range	600.0 V
	Accuracy	1.0 % $\pm$ 5 digits
Resistance	Range	400.0 Ω / 4000 Ω
	Accuracy	1.0 % $\pm$ 5 digits
Continuity		$\leq$ 70 Ω
AC response		True-rms
Data hold		Yes
Size	H x W x D (mm)	207 x 75 x 34
	Max wire diameter	30 mm (600 MCM)
	Weight	265 g
Category rating		CAT III 600 V CAT IV 300 V
Warranty		Two-year



Fluke 116/323 HVAC
Combo Kit - Includes
Multimeter and Clamp
Meter

Register products Download manuals



Related Products



Fluke 116 HVAC Multimeter with
Temperature and Microamps »



Fluke 323 True-rms Clamp
Meter »

Model Name	Description
Fluke 116/323 Kit	Includes: • Fluke 116 HVAC Multimeter with Temperature and Microamps • Fluke 323 True-rms Clamp Meter

Test Leads	
TL225	TL225 SureGrip™ Stray Voltage Adapter Test Lead Kit